In the Claims:

The following list of claims replaces all previous lists of claims.

1. (currently amended) An implant for insertion into a space between a superior vertebra and an inferior vertebra, the implant comprising:

a main body;

a superior surface residing on the main body and an inferior surface residing on the main body opposite the superior surface;

at least one sidewall about the main body connecting the superior surface and the inferior surface;

an anterior region residing on the main body and a posterior region residing on the main body opposite the anterior region and connected by the at least one sidewall;

a plurality of linear surface protrusions residing on at least one of the superior surface and the inferior surface, the linear surface protrusions comprising:

an anterior facing surface,

a posterior facing surface,

a plurality of laterally facing surfaces,

a substantially flat main body engaging surface, ~~and~~

a substantially flat bone engaging surface opposite the main body engaging surface, and

the anterior facing surface and the posterior facing surface converging between the substantially flat main body engaging surface to the substantially flat bone engaging surface and the plurality of laterally facing surfaces converging between the substantially flat main body engaging surface to the substantially flat bone engaging surface, such that

the linear surface protrusion has a generally trapezoidal cross-section in both an anterior to posterior direction and a lateral direction.

2. (previously presented) The implant according to claim 1, wherein the implant comprises bone and wherein the plurality of linear surface protrusions are milled from the bone.

3. (previously presented) The implant according to claim 1, wherein the anterior facing surface forms a first acute angle with the main body engaging surface and a first obtuse angle with the bone engaging surface, the posterior facing surface forms a second acute angle with the main body engaging surface and a second obtuse

angle with the bone engaging surface, each of the plurality of laterally facing surfaces form at least a third acute angle with the main body engaging surface and at least a third obtuse angle with the bone engaging surface.

4. (previously presented) The implant according to claim 3, wherein the bone engaging surface has an area less than the main body engaging surface.

5. (canceled) The implant according to claim 1, wherein the bone engaging surface has an area greater than the main body engaging surface

6-10. (withdrawn)

11. (previously presented) The implant according to claim 1, wherein the bone engaging surface is substantially parallel to at least one of the superior surface and the inferior surface.

12-13. (withdrawn)

14. (previously presented) The implant according to claim 1, wherein the at least one sidewall comprises a plurality of sidewalls having a length L and the anterior region traverses the main body between sidewalls having a width Wa and the posterior region traverses the main body between the sidewalls having a width Wp.

15. (withdrawn)

16. (previously presented) The implant according to claim 14, wherein at least one of the anterior facing surface and the posterior facing surface are parallel to the anterior region.

17-19. (withdrawn)

20. (previously presented) The implant according to claim 1, wherein the anterior region has a height da and the posterior region has a height dp.

21-28. (withdrawn)

29. (previously presented) The implant according to claim 1, wherein the implant is comprised of milled bone such that the plurality of linear surface protrusions and the main body are a single integrated unit.

30. (previously presented) The implant according to claim 1, wherein the implant is comprised of resorbable material.

31. (previously presented) The implant according to claim 1, wherein the implant is comprised of a biocompatible metal.

32. (previously presented) The implant according to claim 1, wherein a trough resides between adjacent linear surface protrusions, wherein the bottom of the trough includes a trough surface.

33. (previously presented) The implant according to claim 32, wherein the trough surface coincides with at least one of the superior surface and the inferior surface.

34-35. (withdrawn)

36. (previously presented) The implant according to claim 1, wherein the substantially flat bone engaging surface approximates an edge.

37. (currently amended) An implant for insertion into a space between a superior vertebra and an inferior vertebra, the implant comprising:

a main body having a superior surface and an inferior surface opposite the superior surface;

a plurality of surface protrusions milled into at least one of the superior surface and the inferior surface;

the main body having an anterior face, a posterior face opposite the anterior face, a right face extending from the superior surface to the inferior surface and from the anterior face to the posterior face, and a left face opposite the right face, each of the faces about the main body connecting the superior surface and the inferior surface;

a plurality of linear surface protrusions residing on at least one of the superior surface and the inferior surface, the linear surface protrusions comprising:

an anterior facing surface,

a posterior facing surface,

a right facing surface,

a left facing surface,

a substantially flat main body engaging surface, and

a bone engaging surface opposite the main body engaging surface, wherein the anterior facing surface is angled between the right facing surface and the left facing surface with respect to the anterior face.

38. (previously presented) The implant according to claim 37, wherein the implant comprises at least one of a bone, a biocompatible metal, a synthetic, and a resorbable.

39. (withdrawn)

40. (previously presented) The implant according to claim 37, wherein the bone engaging surface is substantially flat.

41. (previously presented) The implant according to claim 40, wherein the substantially flat bone engaging surface is angled with respect to at least one of the superior surface and the inferior surface.

42. (previously presented) The implant according to claim 37, wherein at least one of the plurality of linear surface protrusions comprises at least one channel.

43-46. (withdrawn)

47. (currently amended) An implant for insertion into a space between a superior vertebra and an inferior vertebra, the implant comprising:

a main body, the main body having a superior surface, an inferior surface opposite the superior surface, and an annular sidewall extending between the superior surface and the inferior surface;

a plurality of linear surface protrusions residing on at least one of the superior surface and the inferior surface, the linear surface protrusions comprising:

an anterior facing surface,

a posterior facing surface,

a plurality of laterally facing surfaces,

a substantially flat main body engaging surface, ~~and~~

a substantially flat bone engaging surface opposite the main body engaging surface, and

the anterior facing surface and the posterior facing surface converging between the substantially flat main body engaging surface to the substantially flat bone engaging surface and the plurality of laterally facing surfaces converging between the substantially flat main body engaging surface to the substantially flat bone engaging surface, such that

the linear surface protrusion has a generally trapezoidal cross-section in both an anterior to posterior direction and a lateral direction.

48. (previously presented) The implant according to claim 47, wherein the implant is formed of at least one of bone, metal, synthetic, and resorbable.

49. (previously presented) The implant according to claim 47, wherein the plurality of linear surface protrusions are milled from the main body.

50. (previously presented) The implant according to claim 47, wherein the anterior facing surface and the posterior facing surface converge towards the bone engaging surface.

51. (previously presented) The implant according to claim 50, wherein at least one of the anterior facing surface and the posterior facing surface is perpendicular to at least one of the superior surface and the inferior surface.

52. (previously presented) The implant according to claim 47, wherein the plurality of laterally facing surfaces converge towards the bone engaging surface.

53. (previously presented) The implant according to claim 52, wherein at least one of the plurality of laterally facing surfaces is perpendicular to at least one of the superior surface and the inferior surface.

54. (previously presented) The implant according to claim 50, wherein the plurality of laterally facing sides converge towards the bone engaging surface.

55. (previously presented) The implant according to claim 47, wherein the bone engaging surface approximates an edge.

56-57. (withdrawn)

58. (previously presented) The implant according to claim 47, wherein the annular sidewall comprises an anterior region and a posterior region.

59-68. (withdrawn)